

DATA CODE BOOK

Subject	1
Identifier of the subject	1 ...30 Unique identifier assigned to each subject
Activity	1
Description of the type of activity recorded; one of 6	LAYING SITTING STANDING WALKING WALKING_DOWNSTAIRS WALKING_UPSTAIRS
tBodyAcc.mean-X	1
Normalized Mean of the X-axis body linear acceleration signal	-11 : value in the range
tBodyAcc.mean-Y	1
Normalized Mean of the Y-axis body linear acceleration signal	-11 : value in the range
tBodyAcc.mean-Z	1
Normalized Mean of the Z-axis body linear acceleration signal	-11 : value in the range
tBodyAcc.std-X	1
Normalized Standard deviation of the X-axis body linear acceleration signals	-11 : value in the range
tBodyAcc.std-Y	1
Normalized Standard deviation of the Y-axis body linear acceleration signals	-11 : value in the range
tBodyAcc.std-Z	1
Normalized Standard deviation of the Z-axis body linear acceleration signals	-11 : value in the range
tGravityAcc.mean-X	1
Normalized Mean of the X-axis gravity linear acceleration signal	-11 : value in the range
tGravityAcc.mean-Y	1
Normalized Mean of the Y-axis gravity linear acceleration signal	-11 : value in the range
tGravityAcc.mean-Z	1
Normalized Mean of the Z-axis gravity linear acceleration signal	-11 : value in the range

tGravityAcc.std-X	1	Normalized Standard Deviation of the X-axis gravity linear acceleration signal
		-11 : value in the range
tGravityAcc.std-Y	1	Normalized Standard Deviation of the Y-axis gravity linear acceleration signal
		-11 : value in the range
tGravityAcc.std-Z	1	Normalized Standard Deviation of the Z-axis gravity linear acceleration signal
		-11 : value in the range
tBodyAccJerk.mean-X	1	Normalized Mean of the X-axis Jerk body linear acceleration signal
		-11 : value in the range
tBodyAccJerk.mean-Y	1	Normalized Mean of the Y-axis Jerk body linear acceleration signal
		-11 : value in the range
tBodyAccJerk.mean-Z	1	Normalized Mean of the Z-axis Jerk body linear acceleration signal
		-11 : value in the range
tBodyAccJerk.std-X	1	Normalized Standard Deviation of the X-axis Jerk body linear acceleration signal
		-11 : value in the range
tBodyAccJerk.std-Y	1	Normalized Standard Deviation of the Y-axis Jerk body linear acceleration signal
		-11 : value in the range
tBodyAccJerk.std-Z	1	Normalized Standard Deviation of the Z-axis Jerk body linear acceleration signal
		-11 : value in the range
tBodyGyro.mean-X	1	Normalized Mean of the X-axis body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyro.mean-Y	1	Normalized Mean of the Y-axis body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyro.mean-Z	1	Normalized Mean of the Z-axis body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyro.std-X	1	Normalized Standard Deviation of the X-axis body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyro.std-Y	1	Normalized Standard Deviation of the Y-axis body gyroscope angular velocity signal
		-11 : value in the range

tBodyGyro.std-Z	1	Normalized Standard Deviation of the Z-axis body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyroJerk.mean-X	1	Normalized Mean of the X-axis Jerk body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyroJerk.mean-Y	1	Normalized Mean of the Y-axis Jerk body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyroJerk.mean-Z	1	Normalized Mean of the Z-axis Jerk body gyroscope angular velocity signal
		-11 : value in the range
tBodyGyroJerk.std-X	1	Normalized Standard deviation of the X-axis Jerk body gyroscope signal
		-11 : value in the range
tBodyGyroJerk.std-Y	1	Normalized Standard deviation of the Y-axis Jerk body gyroscope signal
		-11 : value in the range
tBodyGyroJerk.std-Z	1	Normalized Standard deviation of the Z-axis Jerk body gyroscope signal
		-11 : value in the range
tBodyAccMag.mean	1	Normalized Mean of the body linear acceleration magnitude
		-11 : value in the range
tBodyAccMag.std	1	Normalized Standard Deviation of the body linear acceleration magnitude
		-11 : value in the range
tGravityAccMag.mean	1	Normalized Mean of the gravity linear acceleration magnitude
		-11 : value in the range
tGravityAccMag.std	1	Normalized Standard Deviation of the gravity linear acceleration magnitude
		-11 : value in the range
tBodyAccJerkMag.mean	1	Normalized Mean of the Jerk body linear acceleration magnitude
		-11 : value in the range
tBodyAccJerkMag.std	1	Normalized Standard Deviation of the Jerk body linear acceleration magnitude
		-11 : value in the range

tBodyGyroMag.mean	1	Normalized Mean of the body gyroscope angular velocity magnitude
		-11 : value in the range
tBodyGyroMag.std	1	Normalized Standard Deviation of the body gyroscope angular velocity magnitude
		-11 : value in the range
tBodyGyroJerkMag.mean	1	Normalized Mean of the Jerk body gyroscope signal magnitude
		-11 : value in the range
tBodyGyroJerkMag.std	1	Normalized Standard Deviation of the Jerk body gyroscope signal magnitude
		-11 : value in the range
fBodyAcc.mean-X	1	Normalized Mean of the X-axis body linear acceleration FFT signal
		-11 : value in the range
fBodyAcc.mean-Y	1	Normalized Mean of the Y-axis body linear acceleration FFT signal
		-11 : value in the range
fBodyAcc.mean-Z	1	Normalized Mean of the Z-axis body linear acceleration FFT signal
		-11 : value in the range
fBodyAcc.std-X	1	Normalized Standard deviation of the X-axis body linear acceleration FFT signal
		-11 : value in the range
fBodyAcc.std-Y	1	Normalized Standard deviation of the Y-axis body linear acceleration FFT signal
		-11 : value in the range
fBodyAcc.std-Z	1	Normalized Standard deviation of the Z-axis body linear acceleration FFT signal
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fGravityAcc.mean-X	1	Normalized Mean of the X-axis gravity linear acceleration FFT signal
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fGravityAcc.mean-Y	1	Normalized Mean of the Y-axis gravity linear acceleration FFT signal
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Normalized Standard Deviation of the X-axis gravity linear acceleration FFT signal		-11 : value in the range
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fBodyGyro.mean-X	1	
Normalized Mean of the X-axis body gyroscope angular velocity FFT signal		-11 : value in the range
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Normalized Mean of the Y-axis body gyroscope angular velocity FFT signal		-11 : value in the range
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fBodyGyroJerk.std-Z	1	Normalized Standard deviation of the Z-axis Jerk body gyroscope FFT signal
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fBodyAccMag.mean	1	Normalized Mean of the FFT body linear acceleration magnitude
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fBodyAccMag.std	1	Normalized Standard Deviation of the FFT body linear acceleration magnitude
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fGravityAccMag.mean	1	Normalized Mean of the FFT gravity linear acceleration magnitude
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fGravityAccMag.std	1	Normalized Standard Deviation of the FFT gravity linear acceleration magnitude
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fBodyAccJerkMag.std	1	Normalized Standard Deviation of the FFT Jerk body linear acceleration magnitude
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